

ABSTRACT OF THE DISCLOSURE

A waste treatment system permitting treatment of organic wastes at low cost is provided. In the waste treatment system, organic wastes such as sewage, garbage and sludge are introduced into a methane fermentation bath for anaerobic fermentation. The methane gas produced in the bath is refined in a gas holder and then supplied to an electric generator, where the methane gas is used as a raw material for power generation. Digested liquid within the methane fermentation bath is supplied to an electrolytic bath via a flow adjustment bath and a fine screen. In the electrolytic bath, the digested liquid is subjected to electrolysis, by applying potentials to an electrode pair in the electrolytic bath based on the electric power obtained by the electric generator. By the electrolysis, nitrogen components including organic nitrogen and ammonia nitrogen, and BOD, SS and phosphorus components are removed from the digested liquid.